

Flexibility, intelligence, precision.

Boundless e-mobility. Made by KUKA.

Never before has it been simpler to maneuver heavy and bulky loads into the right position – with pin-point accuracy. The unrestricted two-dimensional freedom of motion makes it possible: the KUKA omniMove mobile platform system ensures maximum flexibility.

Driving underneath loads or raising them: the KUKA omniMove effortlessly lifts payloads up to 90 tonnes. Ten different vehicle variants with individual intermediate sizes and numerous customer-specific option packages ensure that you will find solutions to cover an extremely wide range of requirements.

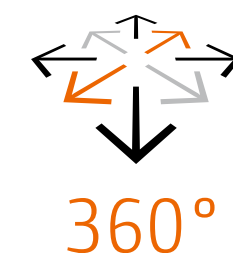


UTMOST PRECISION [+]

MOVE LARGE-SCALE COMPONENTS SECURELY AND CONVENIENTLY [+]

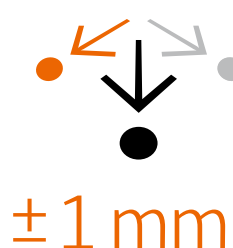
SCALABLE MODULAR SYSTEM [+]

MAXIMUM FLEXIBILITY [+]



Maximum flexibility and unrestricted maneuverability.

The omnidirectional drive technology of the KUKA omniMove makes both translational and rotational motions in any direction possible, right from a standing start. This enormous mobility makes positioning the vehicle in confined spaces a speedy matter.



Utmost precision and simple operator control.

Optical tracking, positioning aids and mechanical guide elements allow it to achieve a positioning accuracy of up to ±1 mm. The vehicle can be conveniently operated with a radio control unit and joystick. Additional navigation solutions such as optical or inductive guidance are available as options.



Move large-scale components safely and conveniently.

The mechanical coupling of two vehicles, each with a payload capacity of 45 tonnes, makes it possible to transport payloads weighing up to 90 tonnes or components with a length of up to 30 meters. The KUKA omniMove meets all required safety standards for industrial trucks, offering high load capacity with maximum safety.



Freely scalable modular system.

The KUKA omniMove is freely scalable: length, width and height can be adapted as desired. If you're looking for a flexible platform system, KUKA is exactly the right address for you.

KoM UTV-2 E375/KoM UTV-2 E575

Available options for both product families

- [+] Lifting version – lift cylinders/lift spindles
- [+] Battery charging via floor contacts
- [+] Mechanical centering of the vehicle on the floor
- [+] Mechanical centering of the load on the vehicle
- [+] On-board charger
- [+] Coupled operation of more than one vehicle
- [+] Optical, inductive guidance/other navigation solutions
- [+] HyJet IV resistance
- [+] Load detection and load locking
- [+] Laser scanner
- [+] Enabling switch
- [+] Halogen-free cabling
- [+] Further options possible by agreement

	KoM UTV-2 E375 3000	KoM UTV-2 E375 8000	KoM UTV-2 E375 12000	KoM UTV-2 E375 16000	KoM UTV-2 E375 20000
Height (suspension fully extended)	415 mm	415 mm	415 mm	415 mm	415 mm
Payload	3,000 kg	8,000 kg	12,000 kg	16,000 kg	20,000 kg
Length	2,400 mm	3,200 mm	3,200 mm	4,000 mm	4,800 mm
Width	1,700 mm	1,700 mm	2,200 mm	2,200 mm	2,200 mm
Weight (approx.)	3,000 kg	4,000 kg	6,000 kg	7,000 kg	8,000 kg
Number of wheels	4	8	12	16	20
Wheel diameter	375 mm	375 mm	375 mm	375 mm	375 mm
Maximum surface compression (wheel on floor)	11 N/mm ²	11 N/mm ²	11 N/mm ²	11 N/mm ²	11 N/mm ²
Independent wheel suspension (height compensation)	±25 mm	±15 mm	±15 mm	±15 mm	±15 mm
Travel speed (unladen)	0.1 to 3.0 km/h	0.1 to 3.0 km/h	0.1 to 3.0 km/h	0.1 to 3.0 km/h	0.1 to 3.0 km/h
Positioning accuracy (standard)	±5 mm	±5 mm	±5 mm	±5 mm	±5 mm
Number of high-performance lead batteries	4	8	8	16	16

	KoM UTV-2 E575 7000	KoM UTV-2 E575 15000	KoM UTV-2 E575 25000	KoM UTV-2 E575 35000	KoM UTV-2 E575 45000
Height (suspension fully extended)	650 mm	650 mm	650 mm	650 mm	650 mm
Payload	7,500 kg	15,000 kg	25,000 kg	35,000 kg	45,000 kg
Length	3,000 mm	4,200 mm	4,800 mm	6,000 mm	7,200 mm
Width	1,700 mm	2,200 mm	2,200 mm	2,200 mm	2,200 mm
Weight (approx.)	4,500 kg	7,500 kg	10,000 kg	12,500 kg	15,000 kg
Number of wheels	4	8	12	16	20
Wheel diameter	575 mm	575 mm	575 mm	575 mm	575 mm
Maximum surface compression (wheel on floor)	7.5 N/mm ²	7.5 N/mm ²	7.5 N/mm ²	7.5 N/mm ²	7.5 N/mm ²
Independent wheel suspension (height compensation)	±25 mm	±25 mm	±25 mm	±25 mm	±25 mm
Travel speed (unladen)	0.1 to 5.0 km/h	0.1 to 5.0 km/h	0.1 to 5.0 km/h	0.1 to 5.0 km/h	0.1 to 5.0 km/h
Positioning accuracy (standard)	±5 mm	±5 mm	±5 mm	±5 mm	±5 mm
Number of high-performance lead batteries	8	8	16	16	24

Power supply connectio

Voltage/power supply 3x 400 V + PE AC; CEE 32 A

Operating conditions

Operating temperature +5 °C to +40 °C (briefly up to +60 °C)

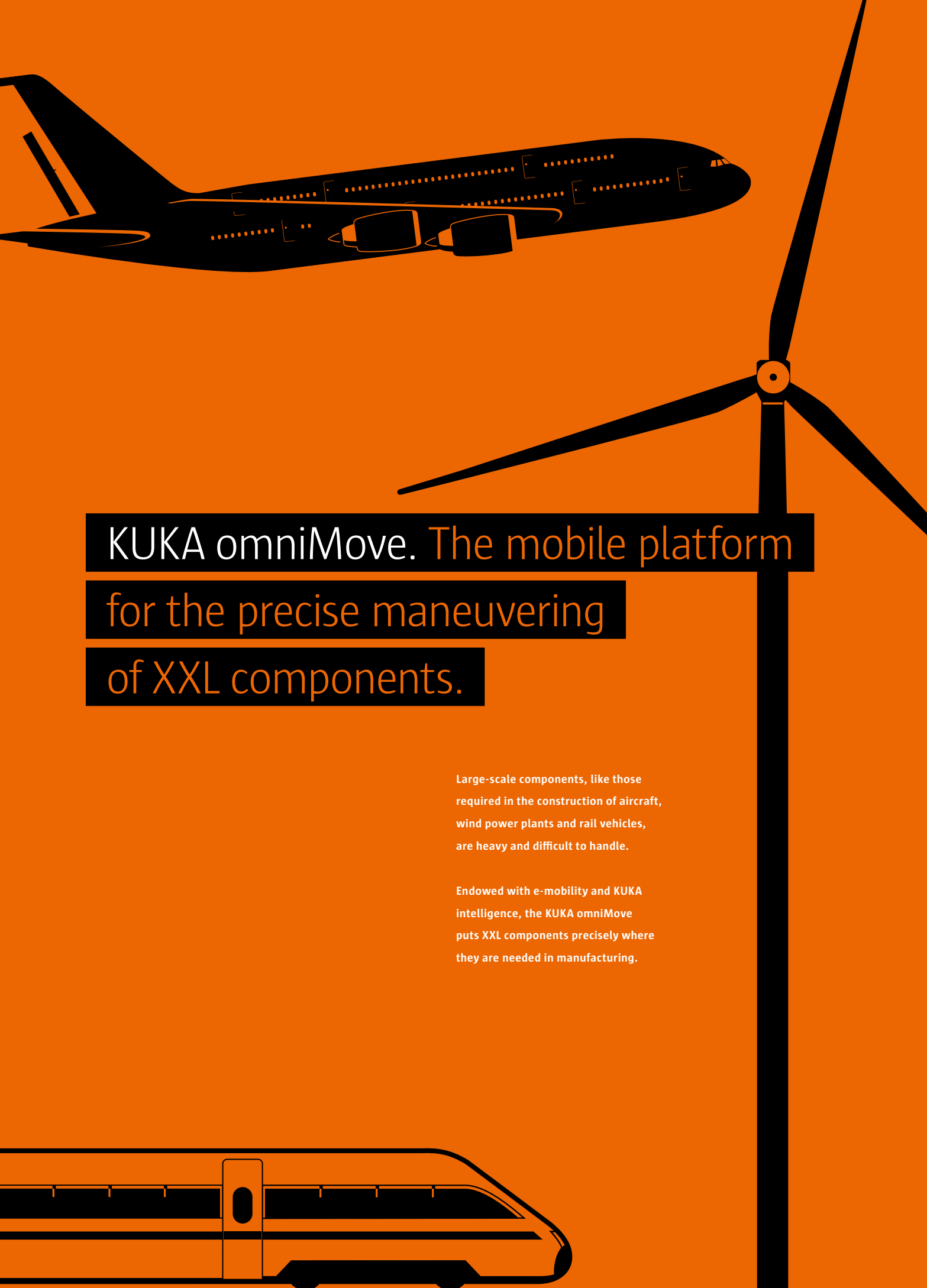
Protection rating

Protection class of vehicle IP 54

Control

Operator-guided with radio control
 Semi-automatic
 Fully-automatic

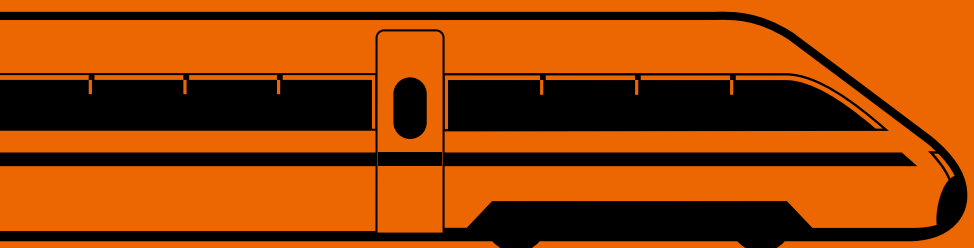
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KUKA omniMove. The mobile platform for the precise maneuvering of XXL components.

Large-scale components, like those required in the construction of aircraft, wind power plants and rail vehicles, are heavy and difficult to handle.

Endowed with e-mobility and KUKA intelligence, the KUKA omniMove puts XXL components precisely where they are needed in manufacturing.



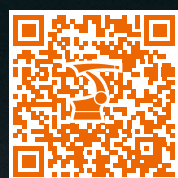
www.zeroseven.de

KUKA - YOUR STRONG PARTNER.

Quality made German robots built with the utmost commitment to our customer's needs. KUKA has been the basis for decades of exceptional technology helping companies to achieve process optimization. We were the pioneers in the world of robotics, and now are global leader in innovation. Our passion is finding future-oriented solutions to make even complex automation tasks simple. Whatever your application no matter the difficulty you can implement it with KUKA. Thanks to experienced KUKA system partners we are able to provide robotic solutions industry-wide. We strive to turn your ideas into reality. Use our experience to drive your success.



Masterful maneuvering in confined spaces: KUKA omniMove.



www.contact.kuka-robotics.com



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PF0011/E/1/0913

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KUKA



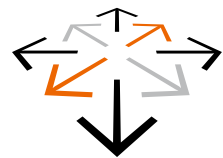
Masterful maneuvering
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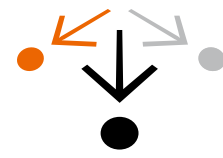
Driving underneath loads or raising them: the KUKA omniMove effortlessly lifts payloads up to 90 tonnes. Ten different vehicle variants with individual intermediate sizes and numerous customer-specific option packages ensure that you will find solutions to cover an extremely wide range of requirements.



360°

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±1 mm

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